

Oral immunization with transgenic plants

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Abstract not available for JP 10507916 (T)

Abstract of corresponding document: **US 6194560 (B1)**

The oral vaccines and oral vaccine adjuvants of the present invention are produced in transgenic plants and then administered through the consumption of the transgenic plant. DNA sequences both natural and synthetic encoding for the expression of immunogenic agents which are capable of causing an immune response in animals when fed in edible plants, plant tissues, or derived plant materials are constructed and plants transformed for stable or transient expression in plant cells. The present invention provides the first known functional method for immunizing animals via transgenic plants, where the plants express bacterial antigens that act as both immunogens and adjuvants when the transgenic plant material expressing the antigens is fed to animals.

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